

FIG. 1

REQUEST HISTORY BUFFER (RHB)

8

TAG  
14

DATA 1  
10

DATA 2  
12

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
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|  |  |  |
|  |  |  |

FIG.2

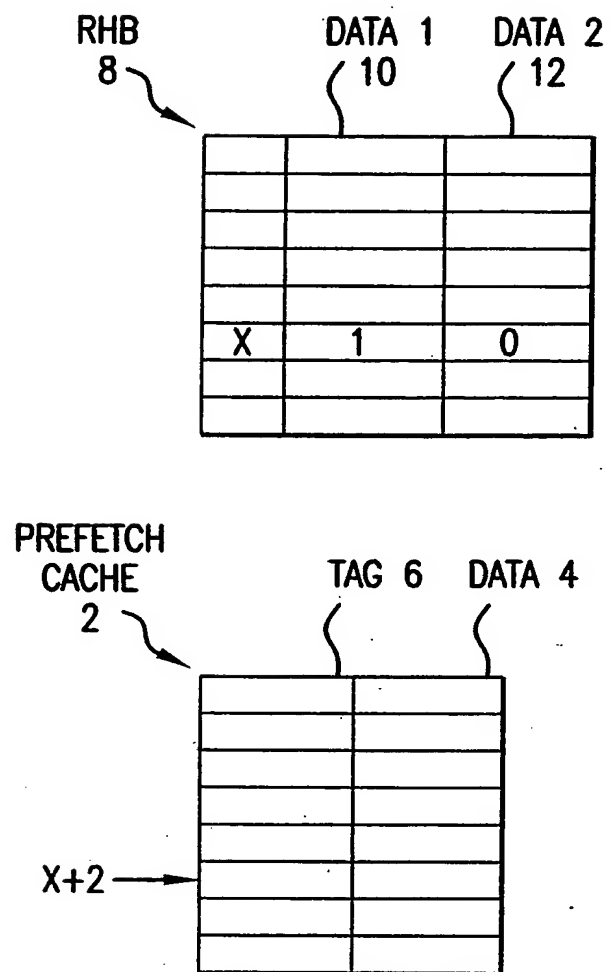


FIG. 3A

8

|   |   |   |
|---|---|---|
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
| X | 1 | 1 |
|   |   |   |
|   |   |   |

10 12

2

|     |     |
|-----|-----|
|     |     |
|     |     |
|     |     |
|     |     |
| X+3 | X+2 |
|     |     |
|     |     |

FIG.3B

8

|     |   |   |
|-----|---|---|
|     |   |   |
|     |   |   |
|     |   |   |
|     |   |   |
| X   | 1 | 1 |
|     |   |   |
| X+2 | 1 | 0 |
|     |   |   |

2

X+4

|     |  |
|-----|--|
|     |  |
|     |  |
|     |  |
|     |  |
| X+3 |  |
| X+2 |  |
|     |  |
|     |  |

FIG.3C

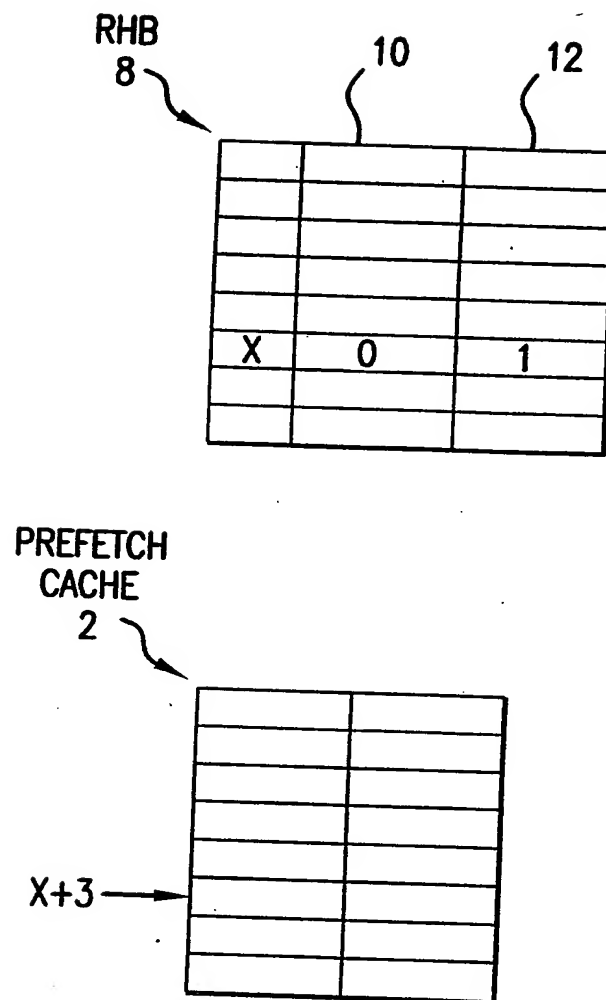


FIG. 4A

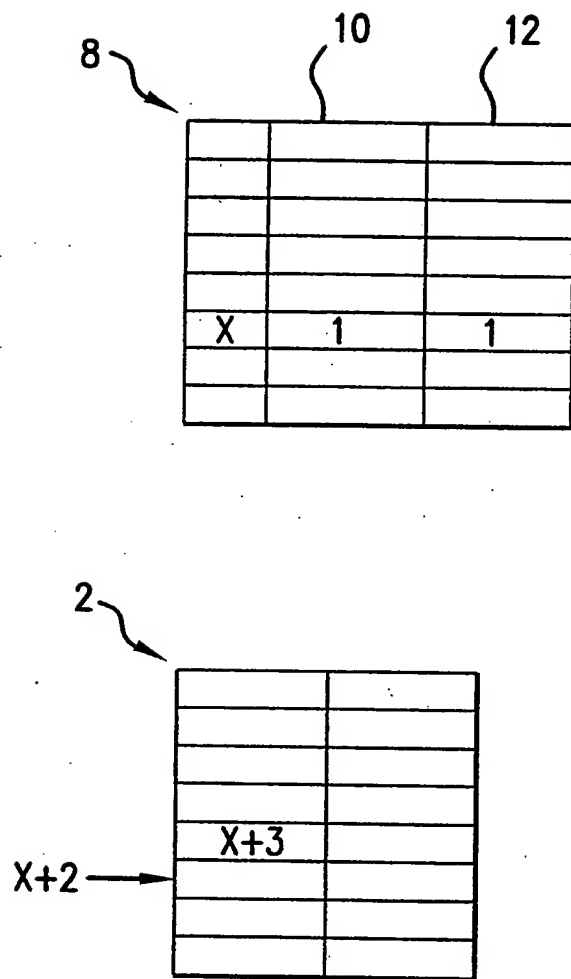


FIG.4B

8

10

12

|     |   |   |
|-----|---|---|
|     |   |   |
|     |   |   |
|     |   |   |
| X+2 | 1 | 0 |
|     |   |   |
| X   | 1 | 1 |
|     |   |   |
|     |   |   |

2

X+4

|     |  |
|-----|--|
|     |  |
|     |  |
|     |  |
|     |  |
| X+3 |  |
| X+2 |  |
|     |  |
|     |  |

FIG.4C



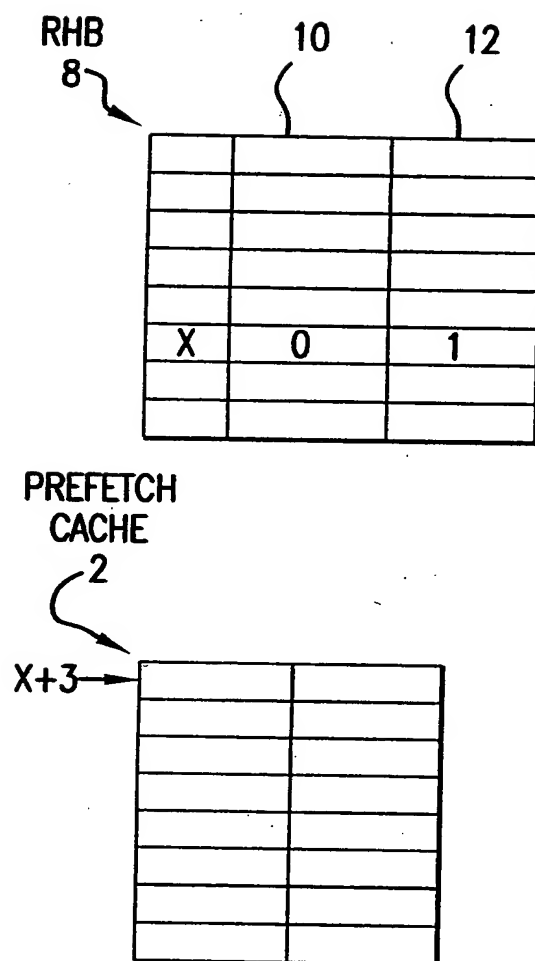


FIG. 5A

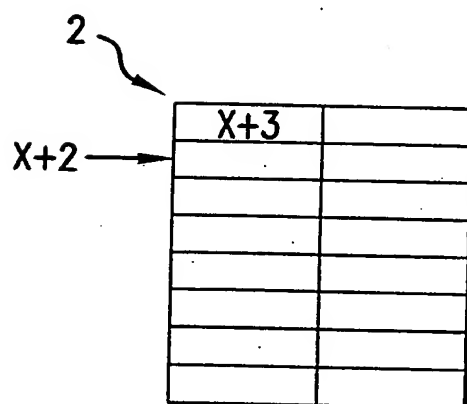
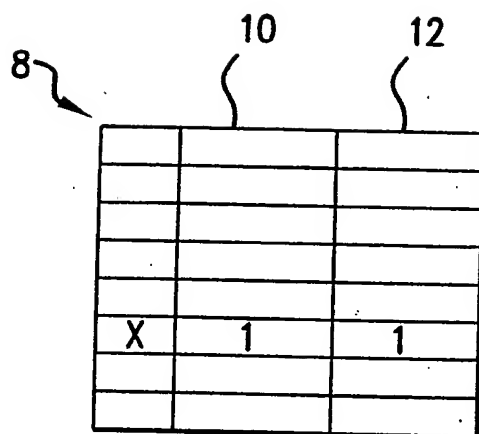


FIG.5B

8

10

12

|     |   |   |
|-----|---|---|
|     |   |   |
|     |   |   |
|     |   |   |
|     |   |   |
|     |   |   |
| X   | 1 | 1 |
| X-2 | 0 | 1 |
|     |   |   |

2

X-3

|     |  |
|-----|--|
| X+3 |  |
| X+2 |  |
|     |  |
|     |  |
|     |  |
|     |  |
|     |  |
|     |  |

FIG.5C

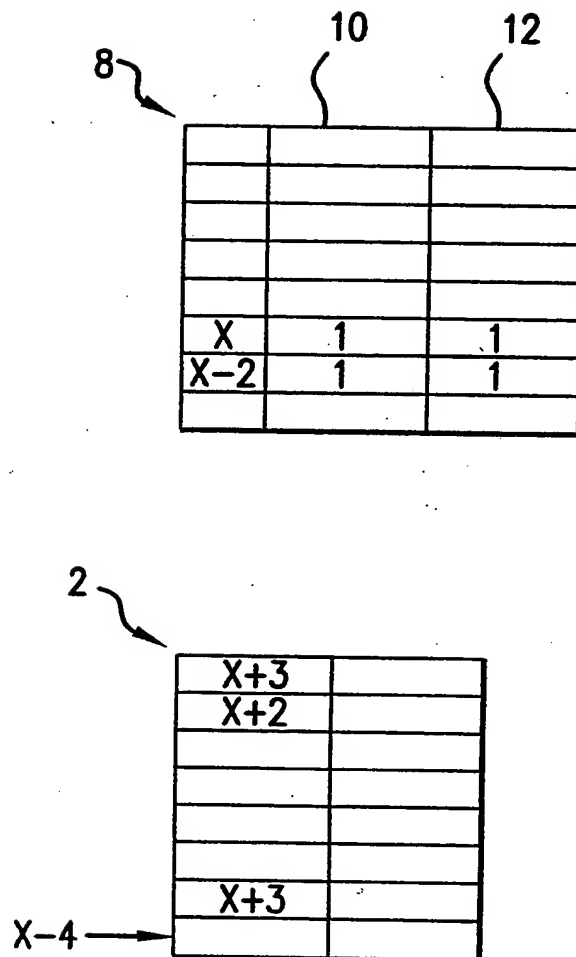


FIG.5D

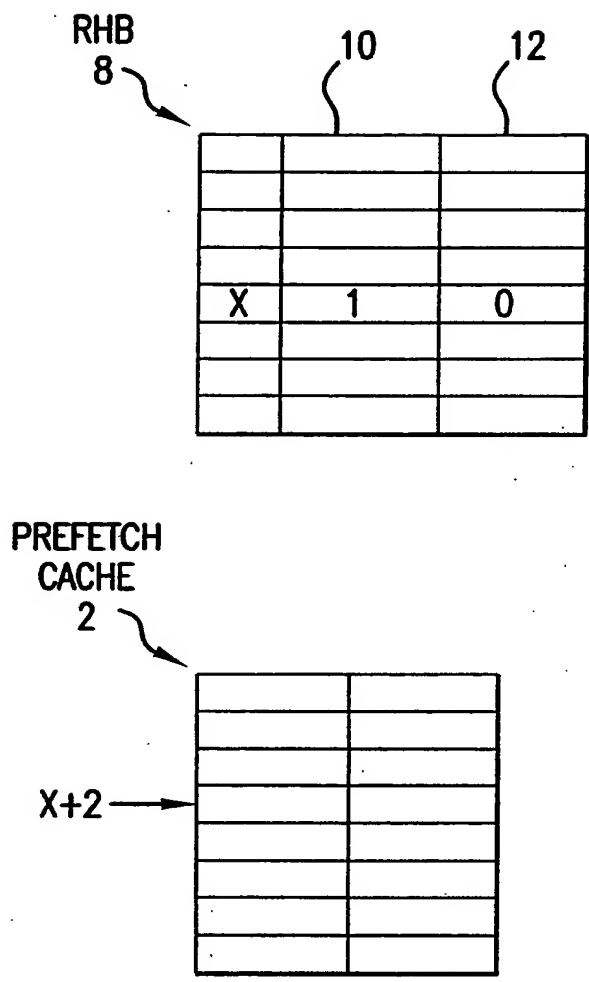
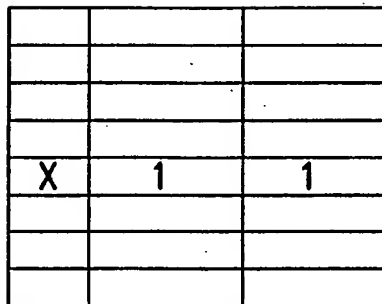


FIG.6A

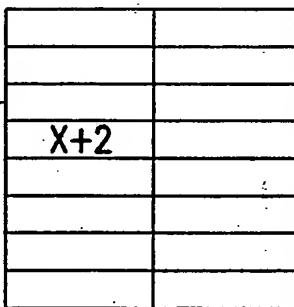
8



|   |  |   |  |   |  |  |
|---|--|---|--|---|--|--|
|   |  |   |  |   |  |  |
|   |  |   |  |   |  |  |
|   |  |   |  |   |  |  |
| X |  | 1 |  | 1 |  |  |
|   |  |   |  |   |  |  |
|   |  |   |  |   |  |  |
|   |  |   |  |   |  |  |

2

X+3



|     |  |  |  |  |  |  |  |
|-----|--|--|--|--|--|--|--|
|     |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |
| X+2 |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |
|     |  |  |  |  |  |  |  |

FIG. 6B

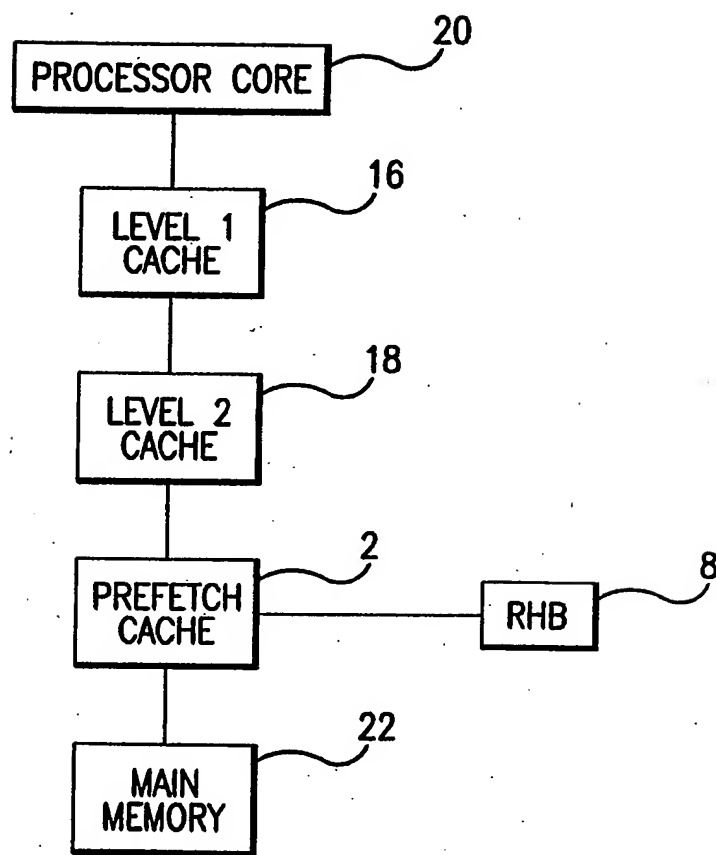
8

|     |   |   |
|-----|---|---|
|     |   |   |
|     |   |   |
|     |   |   |
|     |   |   |
| X   | 1 | 1 |
| X-2 | 0 | 1 |
|     |   |   |
|     |   |   |

2

|     |  |
|-----|--|
|     |  |
|     |  |
| X+3 |  |
| X+2 |  |
|     |  |
|     |  |
|     |  |
| X-3 |  |

FIG.6C



**FIG.7**